SPRING RUNOFF OUTLOOK

FEBRUARY 1988

prepared by

the RIVER FORECAST CENTRE

and

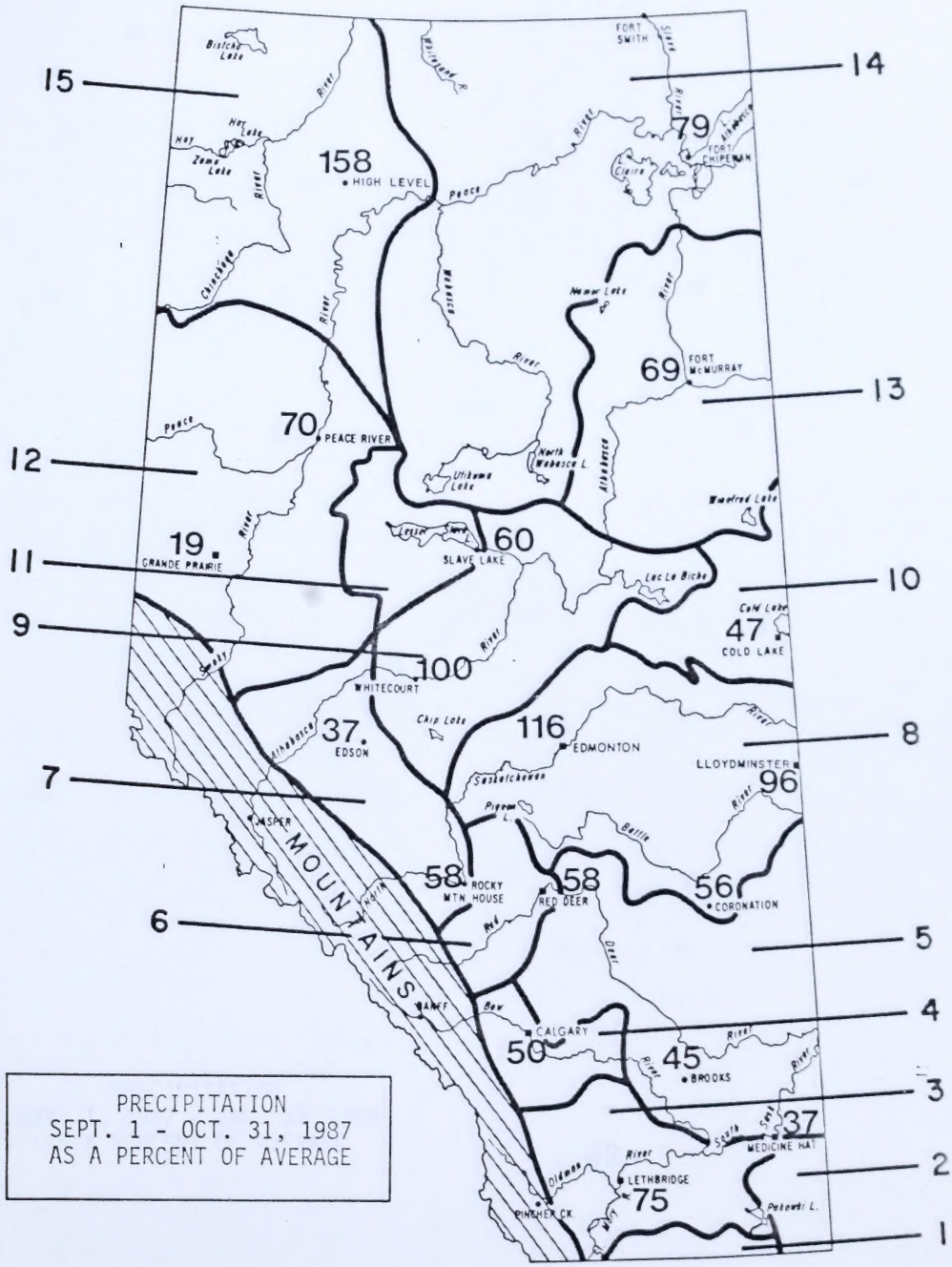
the SURVEY BRANCH

TECHNICAL SERVICES DIVISION

WATER RESOURCES MANAGEMENT SERVICES

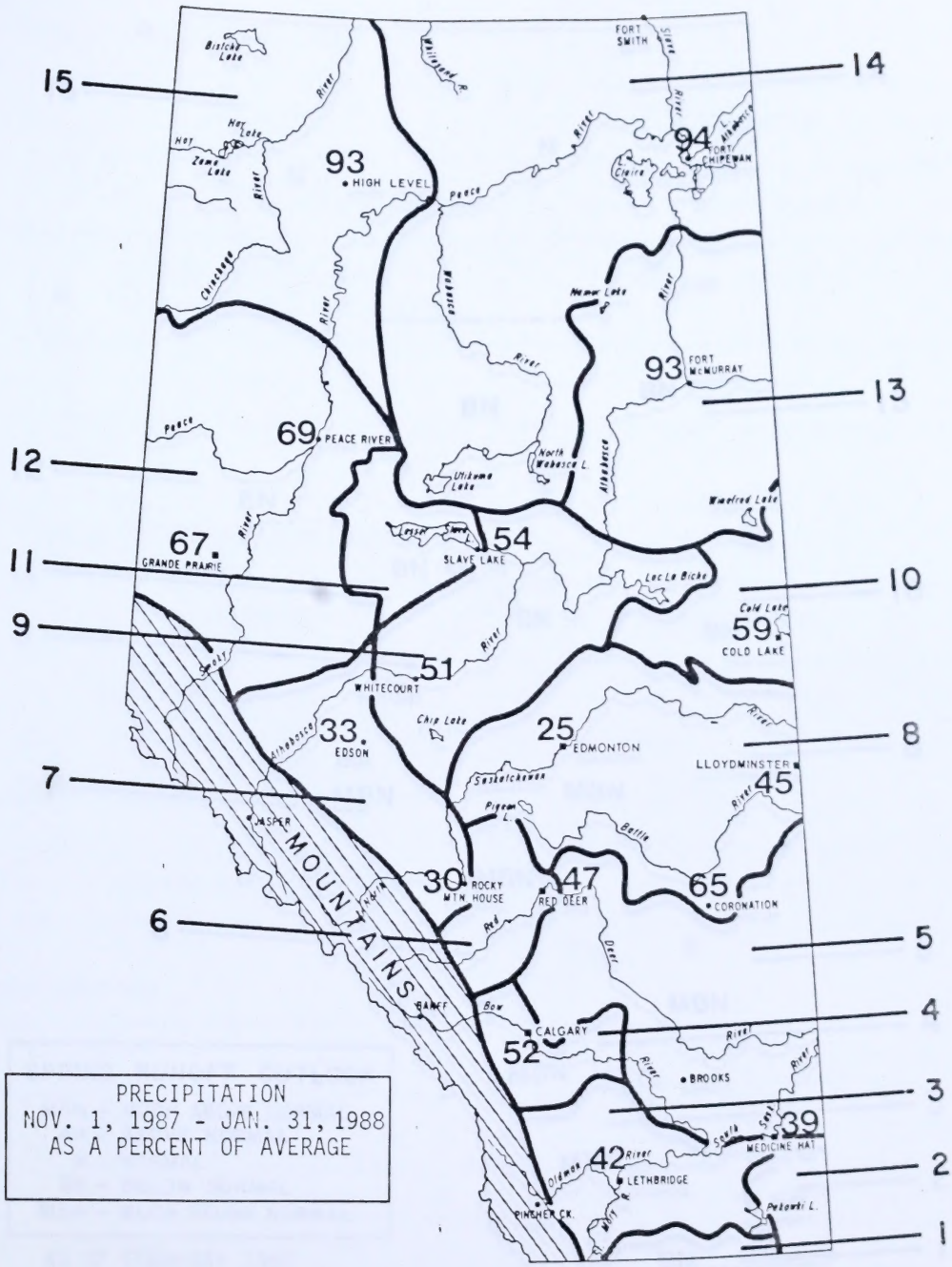
ALBERTA ENVIRONMENT

Alberta
ENVIRONMENT



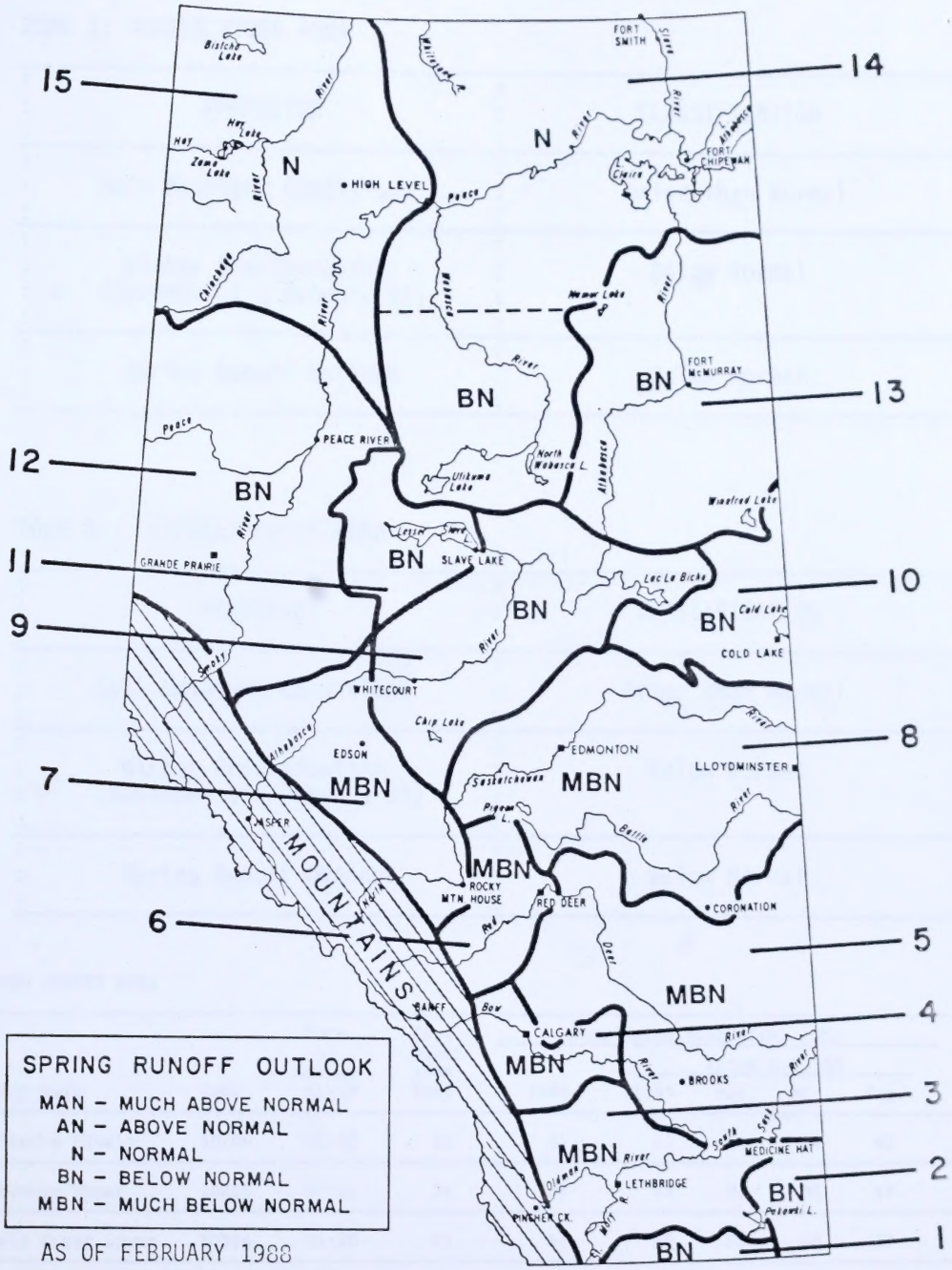
PRECIPITATION
SEPT. 1 - OCT. 31, 1987
AS A PERCENT OF AVERAGE

Alberta
ENVIRONMENT



PRECIPITATION
NOV. 1, 1987 - JAN. 31, 1988
AS A PERCENT OF AVERAGE

Alberta
ENVIRONMENT



Alberta
ENVIRONMENT

ZONE 1: MILK RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 2: CYPRESS HILLS AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

SNOW SURVEY DATA

Station Name	Code	Date of Survey mm-dd	Snow Depth 1988 (cm)	Snow Water Equivalent (mm)					Total Years of Record
					Prior to 1988				
				1988	1987	Max.	Min.	Avg.	
Gros Ventre Middle	10Z04	01-20	25	64	84	84	46	62	7
Gros Ventre Upper	10Z05	01-21	24	58	43	81	36	57	6
Mitchell Creek Lower	10Z06	01-20	25	61	89	89	48	73	6
Mitchell Creek Upper	10Z07	01-20	28	64	94	94	69	84	6
Ross Creek Lower	10Z08	01-20	20	38	71	104	38	65	7
Ross Creek Upper	10Z09	01-21	26	71	89	102	66	84	5

Alberta ENVIRONMENT

ZONE 3: LETHBRIDGE - MEDICINE HAT AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 4: CALGARY AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 5: CORONATION - BROOKS AREA (SPECIAL AREAS)

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 6: RED DEER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 7: ROCKY MOUNTAIN HOUSE - EDSON AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 8: EDMONTON - LLOYDMINSTER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 9: WHITECOURT - ATHABASCA AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 10: COLD LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 11: LESSER SLAVE LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 12: GRANDE PRAIRIE - PEACE RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 13: FORT McMURRAY AREA

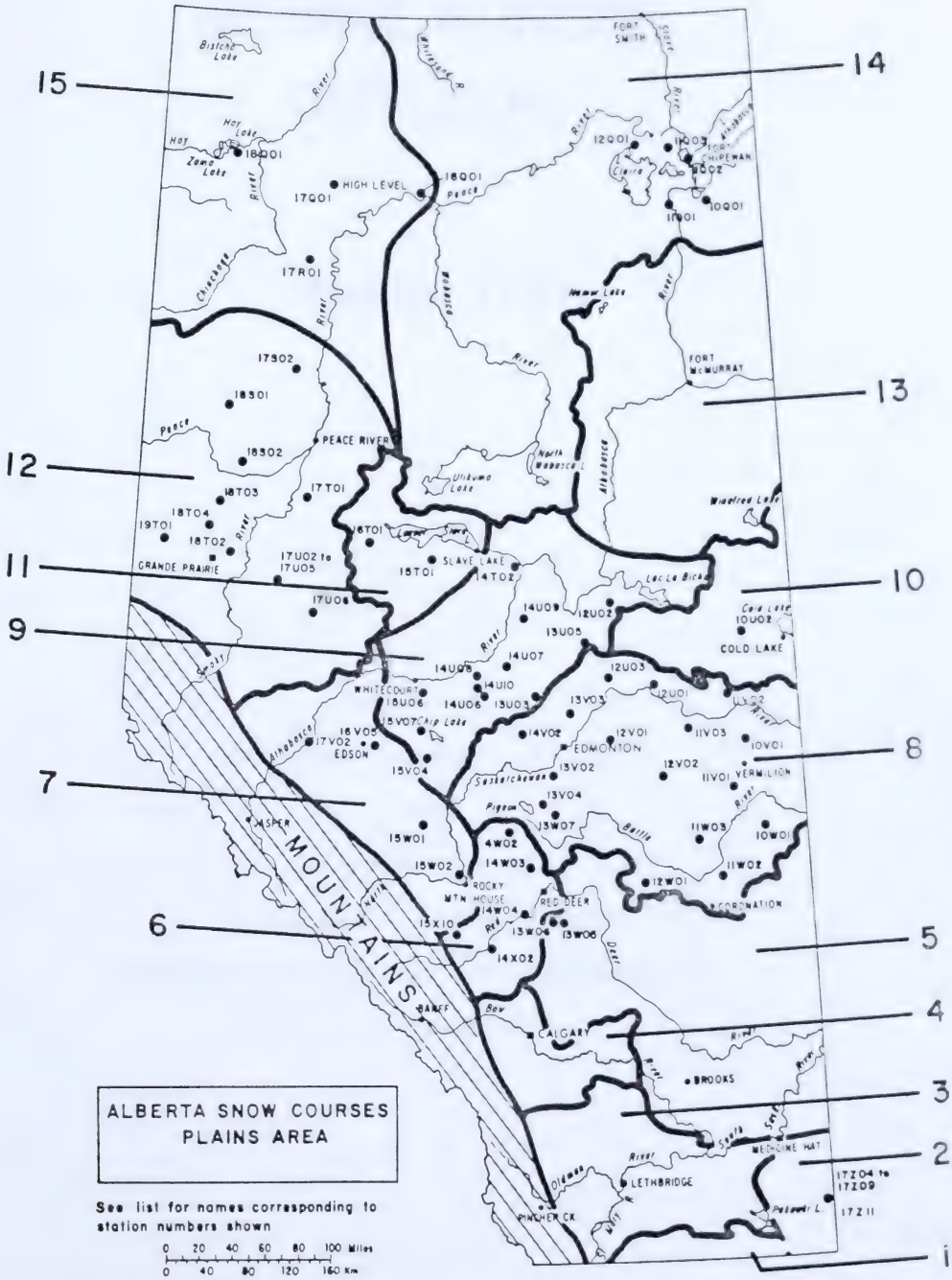
PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Normal
Spring Runoff Outlook	Below Normal

ZONE 14: WABASCA - FORT CHIPEWYAN AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - January 31)	Normal
Spring Runoff Outlook	Below Normal to Normal

ZONE 15: ZAMA - HAY LAKES AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Wetter than Normal
Winter Precipitation (November 1 - January 31)	Normal
Spring Runoff Outlook	Normal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Hot Lake
Zama Lake
18Q01
HIGH LEVEL
17Q01
18Q01
Peace
17R01
Chinchaga
River
FORT SMITH
Slave
12Q01
Athabasca
FORT CHIPEWAN
10Q01
Lake Claire
Mamawi Lake
FORT McMURRAY
17S02
18S01
18S02
PEACE RIVER
17T01
18T03
18T04
19T01
18T02
GRANDE PRAIRIE
17U02 to 17U05
17U06
16T01
15T01
SLAVE LAKE
14T02
North Wabasca L.
Utikuma Lake
Wadlea Lake
Lac La Biche
Cold Lake
10U02
COLD LAKE
14U09
12U02
13U05
14U07
14U08
14U10
WHITECOURT
15U06
14U06
13U03
12U03
13V03
12U01
11U02
15V07
Chip Lake
16V05
17V02
EDSON
15V04
14V02
EDMONTON
12V01
11V03
10V01
12V02
11V01
VERMILION
13V02
Saskatchewan
13V04
Pigeon
13W07
11W03
10W01
JASPER
15W01
4W02
14W03
15W02
ROCKY MTN HOUSE
12W01
11W02
CORONATION
RED DEER
14W04
15X10
13W04
13W06
14X02
MOUNTAINS
BANFF
CALGARY
BROOKS
MEDICINE HAT
LETHBRIDGE
PINCHER CK
17Z04 to 17Z09
17Z11
Pakowki L.
ALBERTA SNOW COURSES
PLAINS AREA
See list for names corresponding to station numbers shown
0 20 40 60 80 100 Miles
0 40 80 120 160 Km

SPRING RUNOFF OUTLOOK

MARCH 1988

prepared by

the RIVER FORECAST CENTRE

and

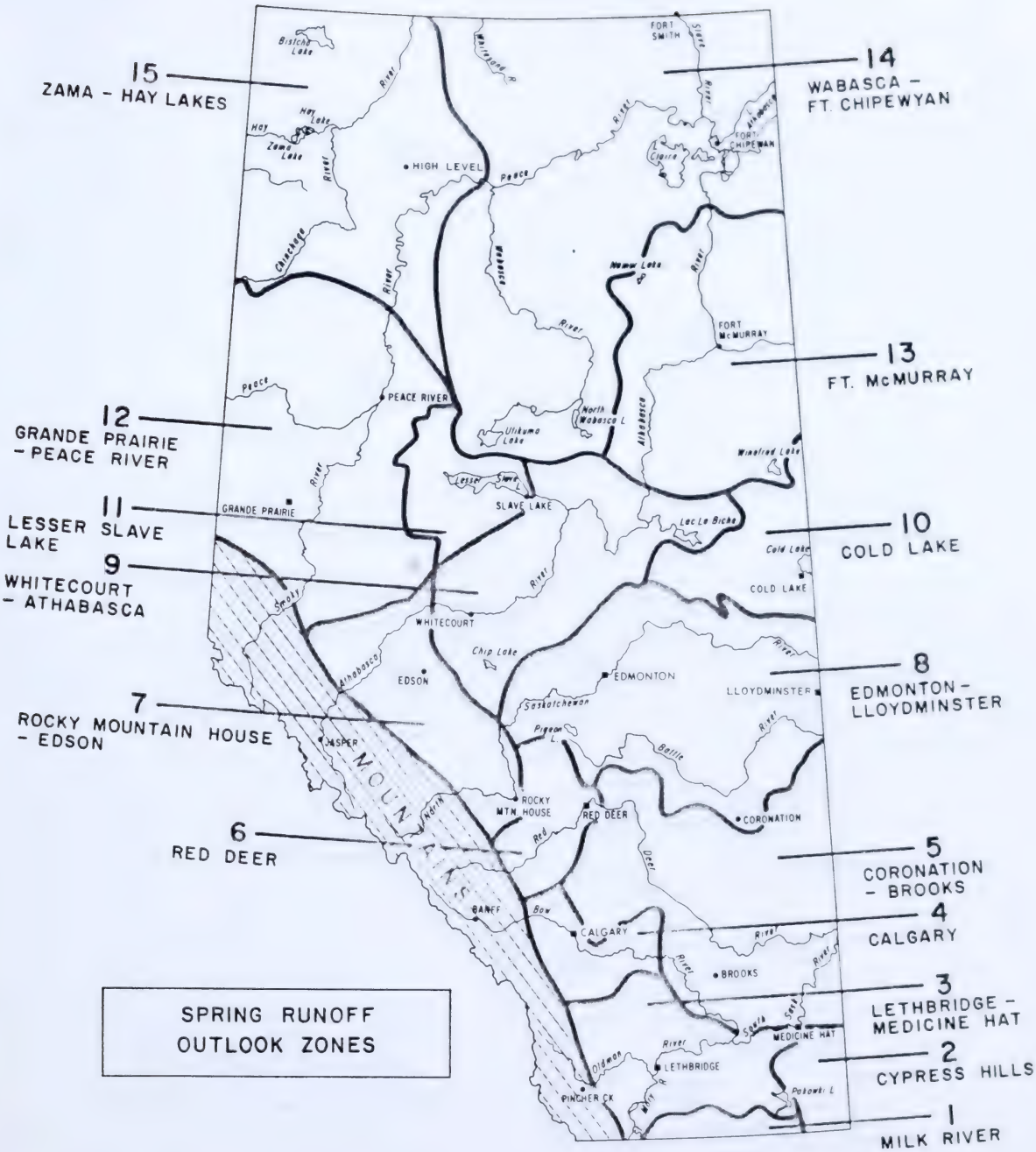
the SURVEY BRANCH

TECHNICAL SERVICES DIVISION

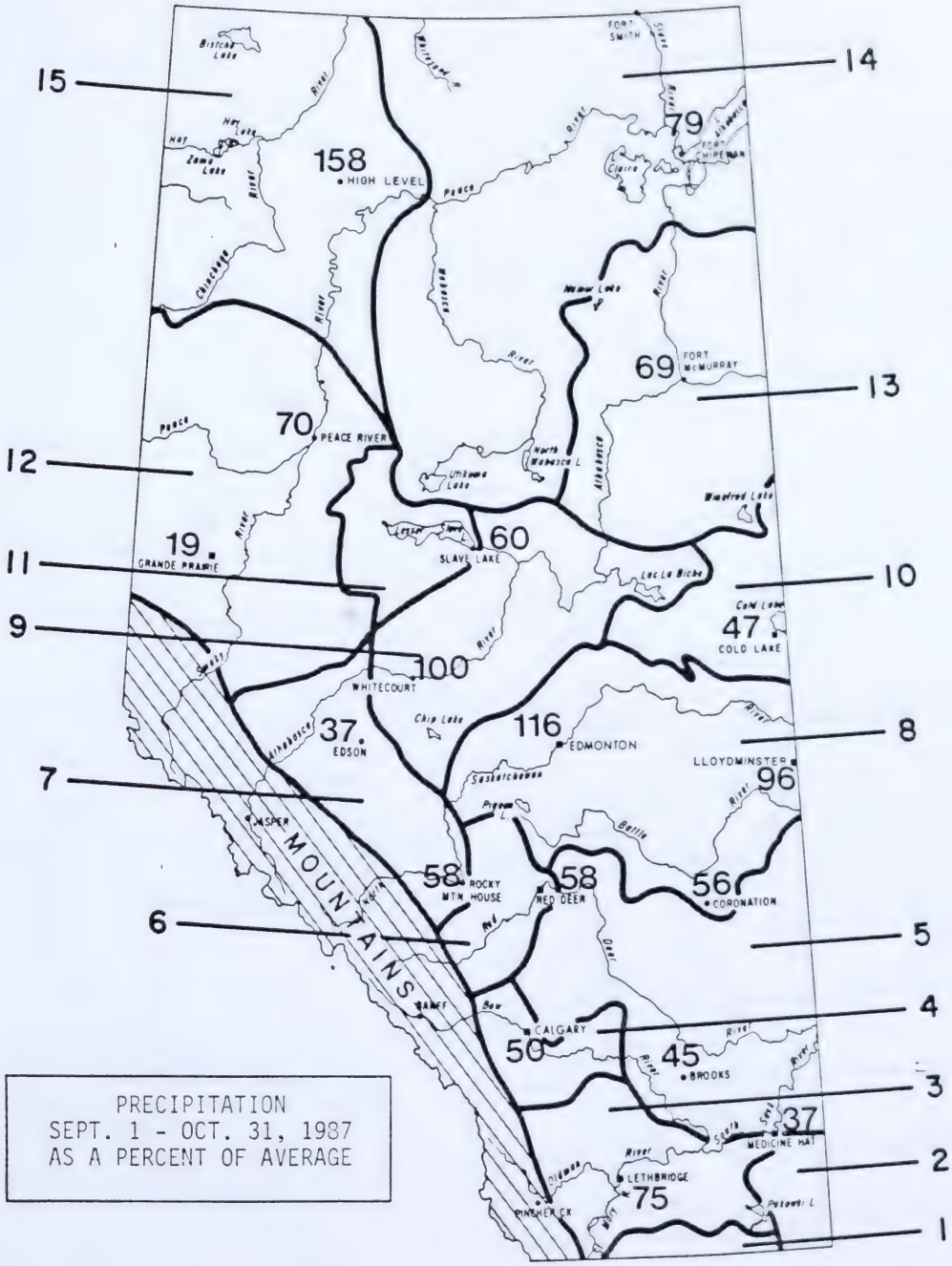
WATER RESOURCES MANAGEMENT SERVICES

ALBERTA ENVIRONMENT

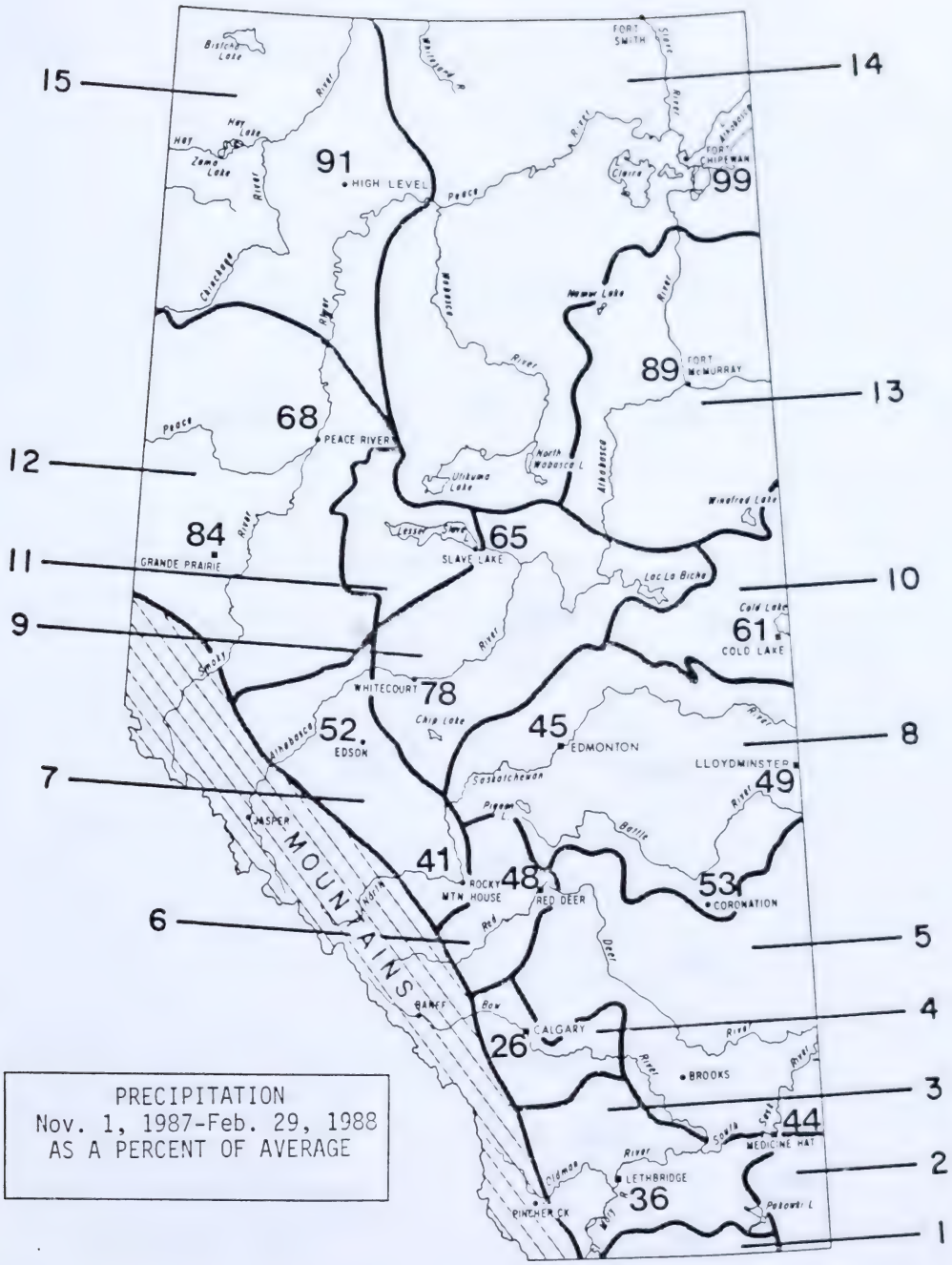
Alberta
ENVIRONMENT



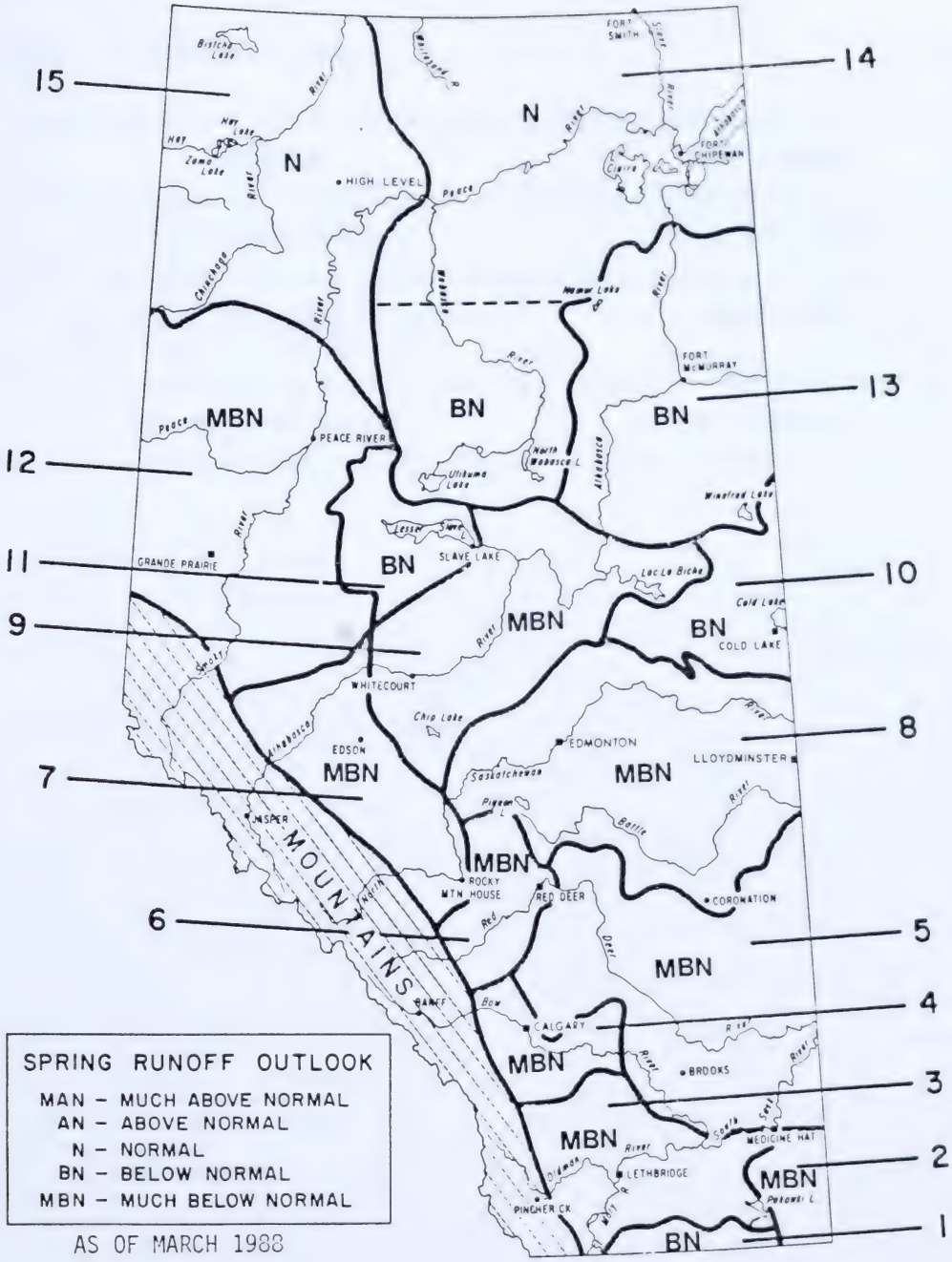
Alberta ENVIRONMENT



Alberta
ENVIRONMENT



Alberta
ENVIRONMENT



Alberta
ENVIRONMENT

ZONE 1 - MILK RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 2 - CYPRESS HILLS AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Gros Ventre Middle	10Z04	02-16	22	74	114	114	31	82	7
Gros Ventre Upper	10Z05	02-17	23	64	48	104	46	72	7
Mitchell Creek Lower	10Z06	02-16	26	76	99	119	69	100	6
Mitchell Creek Upper	10Z07	02-16	32	91	89	114	81	92	5
Ross Creek Lower	10Z08	02-17	22	61	86	107	56	88	7
Ross Creek Upper	10Z09	02-17	36	86	107	122	81	103	5

ZONE 3 - LETHBRIDGE - MEDICINE HAT AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 4 - CALGARY AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

ZONE 5 - CORONATION - BROOKS AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Innisfail (#2) East	13W05	02-25	0	0	0	53	0	24	12
Kneehill Valley	13W06	02-25	0	0	13	99	13	46	13

ZONE 6 - RED DEER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bentley	14W03	02-25	0	0	19	79	7	41	14
Clive	13W08	02-24	11	23	39	--	--	--	1
Dickson	14W04	02-25	0	0	0	97	0	51	14
Hoadley	14W02	02-25	0	0	4	74	0	39	13
James River	15X10	02-25	21	48	30	107	30	61	13
Sundre	14X02	02-25	8	21	4	84	4	40	13

Alberta ENVIRONMENT

ZONE 7 - ROCKY MOUNTAIN HOUSE - EDSON AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Brazeau Reservoir	15W01	02-25	10	28	42	94	42	70	11
Crimson Lake	15W02	02-25	8	15	27	99	8	61	14
Edson II	16V05	02-22	26	57	67	155	36	78	13
Obed	17V02	02-22	18	38	39	165	0	69	13

ZONE 8 - EDMONTON - LLOYDMINSTER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bellis	12U01	02-24	13	19	64	122	39	73	14
Bigstone	13V05	02-26	13	32	46	--	--	--	1
Bruce Snow P.	12V02	02-26	13	34	33	75	30	55	12
Clandonald	10V01	02-25	12	24	62	122	13	60	14
Coronation II	11W02	02-24	6	19	52	99	13	44	14
Elk Island Park	12V01	02-26	16	32	46	152	28	73	14
Gadsby	12W01	02-24	0	0	10	99	0	36	15
Leduc	13V02	02-26	8	21	14	130	14	66	14
Lougheed	11W03	02-24	8	15	58	74	30	52	13
Mannville	11V01	02-25	0	0	32	104	30	54	13
Morinville	13V03	02-26	0	0	13	130	13	50	14
Onoway	14V02	02-26	6	11	32	115	15	56	14
Saint Paul	11V02	02-25	16	19	32	99	13	49	14
Two Hills	11V03	02-26	2	5	46	124	28	58	14
Wainwright	10W01	02-25	2	8	52	65	28	44	12
Waskatenau	12U03	02-24	7	16	30	117	30	58	14
Wetaskiwin	13W07	02-25	3	9	17	69	0	37	14

ZONE 9 - WHITECOURT - ATHABASCA AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Barrhead North	14U07	02-26	0	0	6	145	6	56	14
Barrhead West	14U08	02-26	5	13	43	103	13	55	14
Flatbush	14U09	02-29	5	13	54	131	28	71	14
Grassland	12U02	02-24	7	13	51	102	8	52	14
Lodgepole	15V04	02-22	16	31	61	137	42	82	14
Mayerthorpe S.P.	15V07	03-01	14	32	39	114	36	65	6
Meadowview	14U06	02-26	8	11	42	137	30	72	14
Perryvale	13U05	02-24	15	27	58	137	32	67	14
Saulteaux River	14T02	02-29	28	51	62	112	38	72	14
Twin Lakes	14U10	03-01	8	19	31	94	28	55	6
Westlock	13U03	02-26	2	6	21	130	13	54	16
Whitecourt	15U06	03-01	17	46	47	157	28	77	14

ZONE 10 - COLD LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bonnyville	10U02	02-24	27	53	62	119	35	60	13

ZONE 11 - LESSER SLAVE LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
High Prairie	16T01	03-02	19	52	47	132	0	62	14
Kinuso	15T01	03-01	33	51	53	155	23	76	14

ZONE 12 - GRANDE PRAIRIE - PEACE RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bezanson	18T02	03-03	18	37	18	145	0	54	13
Eureka River	18S01	02-29	31	47	56	127	51	73	14
Fairview	18S02	02-29	15	28	55	130	22	68	14
Girouxville	17T01	03-01	12	19	38	130	22	59	14
Hythe	19T01	03-03	13	32	33	142	0	57	13
Little Smoky R.	17U06	03-02	23	57	70	141	33	81	12
N. Star Manning	17S02	02-29	0	0	22	86	0	34	13
Rycroft	18T03	02-29	0	0	15	127	0	45	14
Sexsmith	18T04	03-03	18	37	69	190	29	83	14
Spring Creek #1	17U02	03-02	34	81	67	180	56	109	21

ZONE 13 - FORT McMURRAY AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - February 29)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 14 - WABASCA - FORT CHIPEWYAN AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - February 29)	Normal
Spring Runoff Outlook	Below Normal to Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Embarras Portage	11Q01	02-23	48	76	76	102	41	71	13
Fort Chipewyan	11Q02	02-26	47	69	53	122	28	63	13
Highrock Tower	11Q03	02-24	49	71	79	122	30	70	13
Jackfish Village	10Q01	02-26	47	71	69	94	43	66	11
Sweet Grass	12Q01	02-24	51	74	114	140	36	68	11

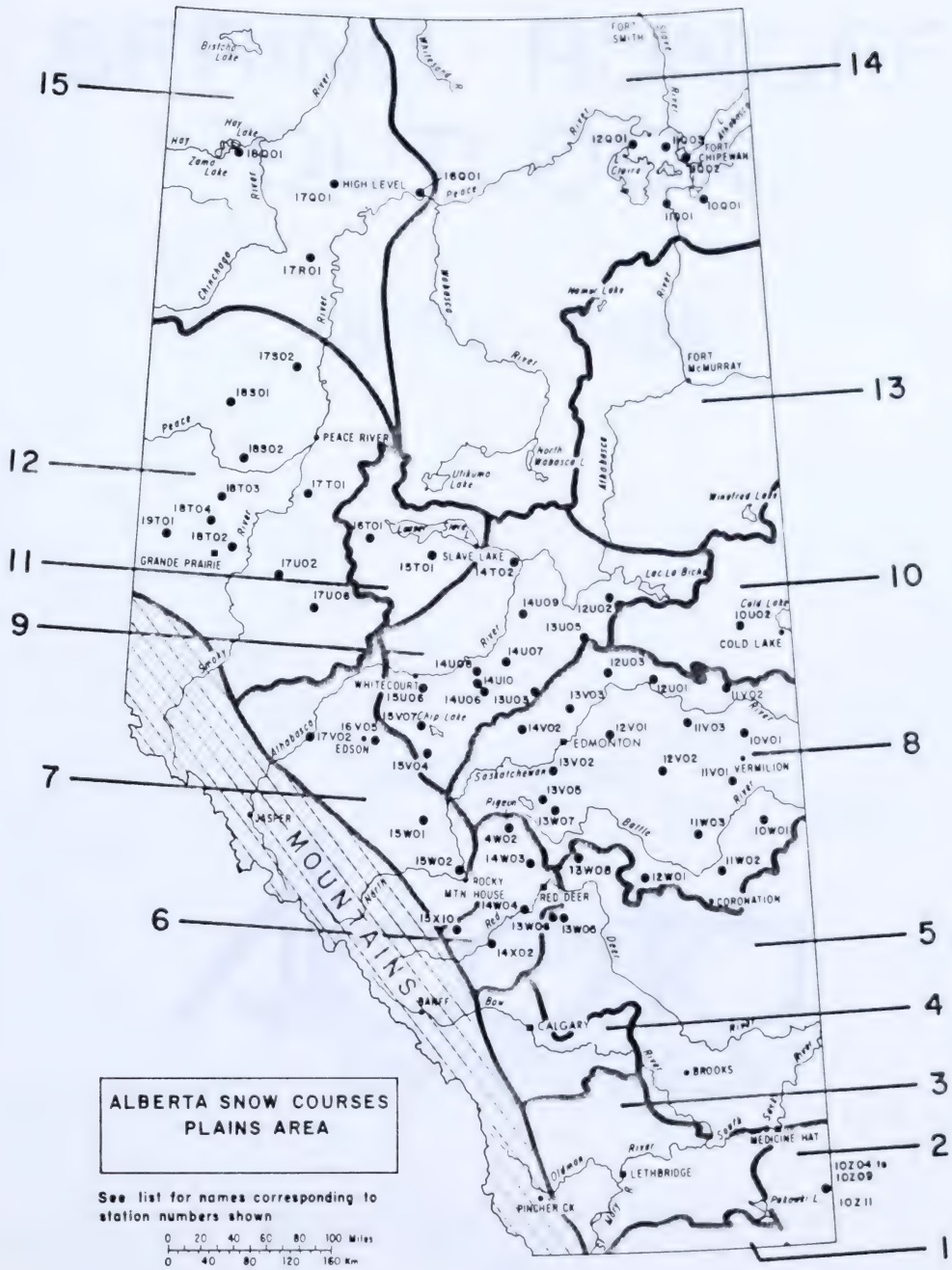
ZONE 15 - ZAMA - HAY LAKES AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Wetter than Normal
Winter Precipitation (November 1 - February 29)	Normal
Spring Runoff Outlook	Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm) 1988	1987	Prior to 1988 Max.	Min.	Avg.	Years of Data
Assumption	18Q01	03-01	30	61	109	109	94	102	2
Fort Vermilion	16Q01	03-01	42	91	113	140	13	86	20
High Level	17Q01	03-01	40	74	116	116	88	102	2
Keg River	17R01	02-29	13	25	N/A	--	--	--	1

N/A - Not available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Bistcho Lake
Hay Lake
Zama Lake
Hay River
Chinchaga River
HIGH LEVEL
Peace River
Waterfall R.
FORT SMITH
Slave River
Athabasca River
Chipewyan L.
FORT CHIPEWYAN
Mamawi Lake
FORT McMURRAY
Wabasca River
North Wabasca L.
Utikuma Lake
PEACE RIVER
Winefred Lake
Lac La Biche
Cold Lake
COLD LAKE
GRANDE PRAIRIE
SLAVE LAKE
WHITECOURT
Calp Lake
EDSON
EDMONTON
Saskatchewan
VERMILION
Pigeon
Battle
JASPER
ROCKY MTN HOUSE
RED DEER
CORONATION
Red Deer
Bow
BANFF
CALGARY
BROOKS
Oldman
MEDICINE HAT
LETHBRIDGE
PINCHER CR
Pakowki L.
MOUNTAINS
ALBERTA SNOW COURSES
PLAINS AREA
See list for names corresponding to station numbers shown
0 20 40 60 80 100 Miles
0 40 80 120 160 Km

SPRING RUNOFF OUTLOOK

APRIL 1988

PRODUCED BY

Alberta
ENVIRONMENT

RIVER FORECAST CENTRE
AND
SURVEY BRANCH
APRIL 8, 1988

NOTES

The Spring Runoff Outlook is produced monthly in February, March and April of each year.

Alberta Environment acknowledges the assistance of Environment Canada (the Atmospheric Environment Service and the Water Survey of Canada) in providing precipitation and streamflow data for this report.

The snow survey data presented are preliminary data which are subject to revision.

SPRING RUNOFF OUTLOOK - APRIL 1988

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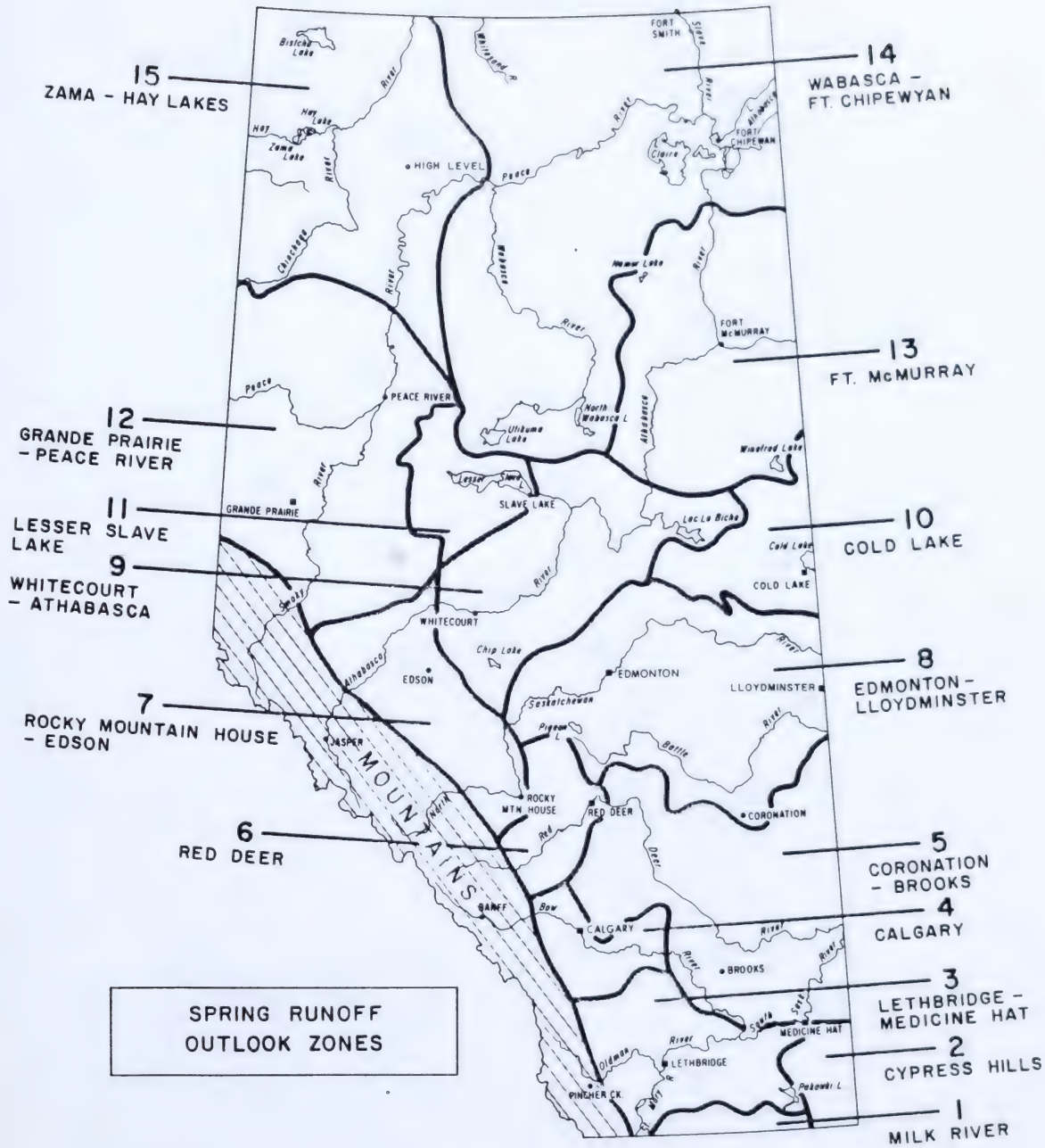
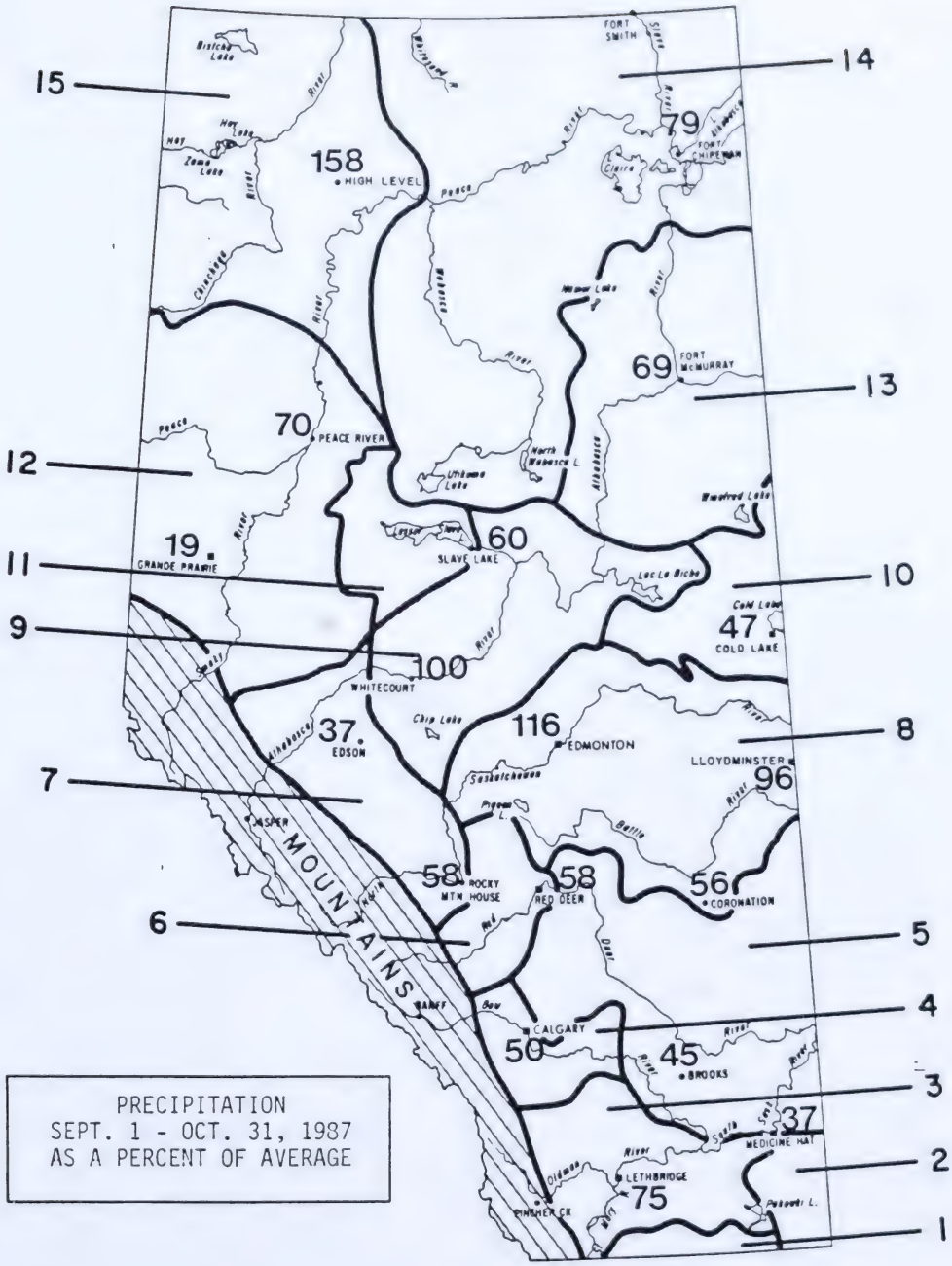
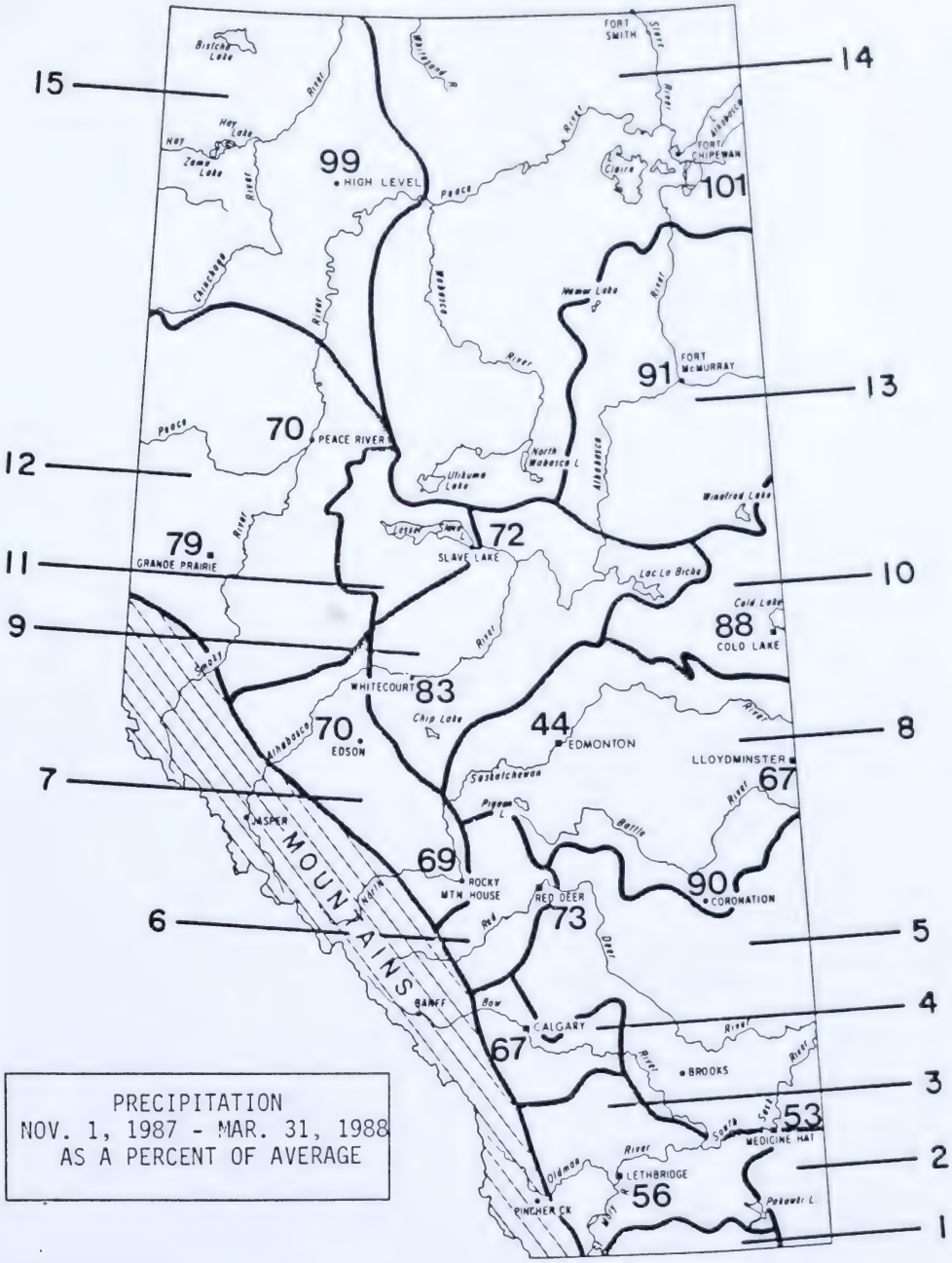


Alberta
ENVIRONMENT



Alberta
ENVIRONMENT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JASPER
MOUNTAINS
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ROCKY MTN HOUSE
RED DEER
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CORONATION
73
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BANFF
CALGARY
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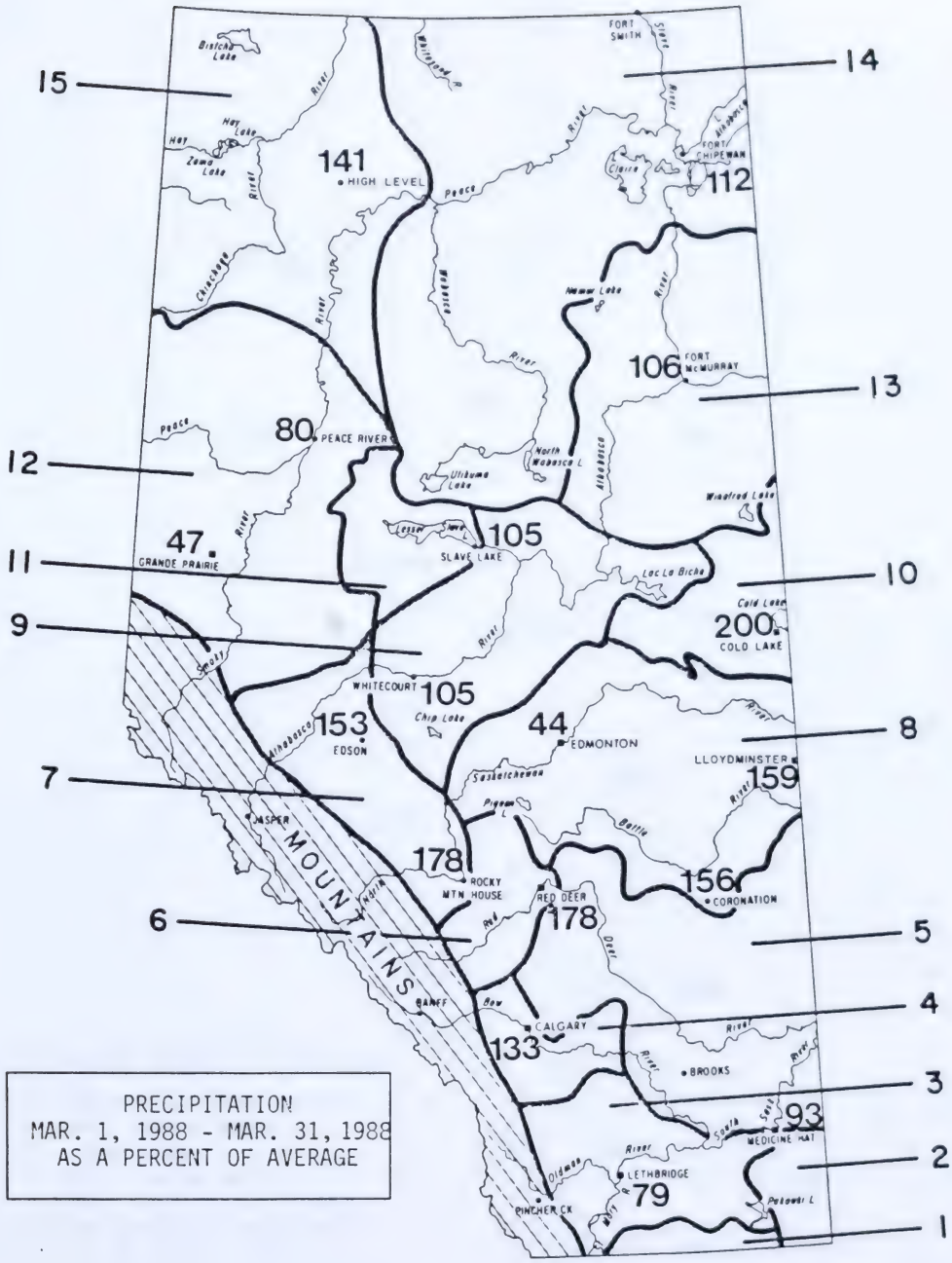
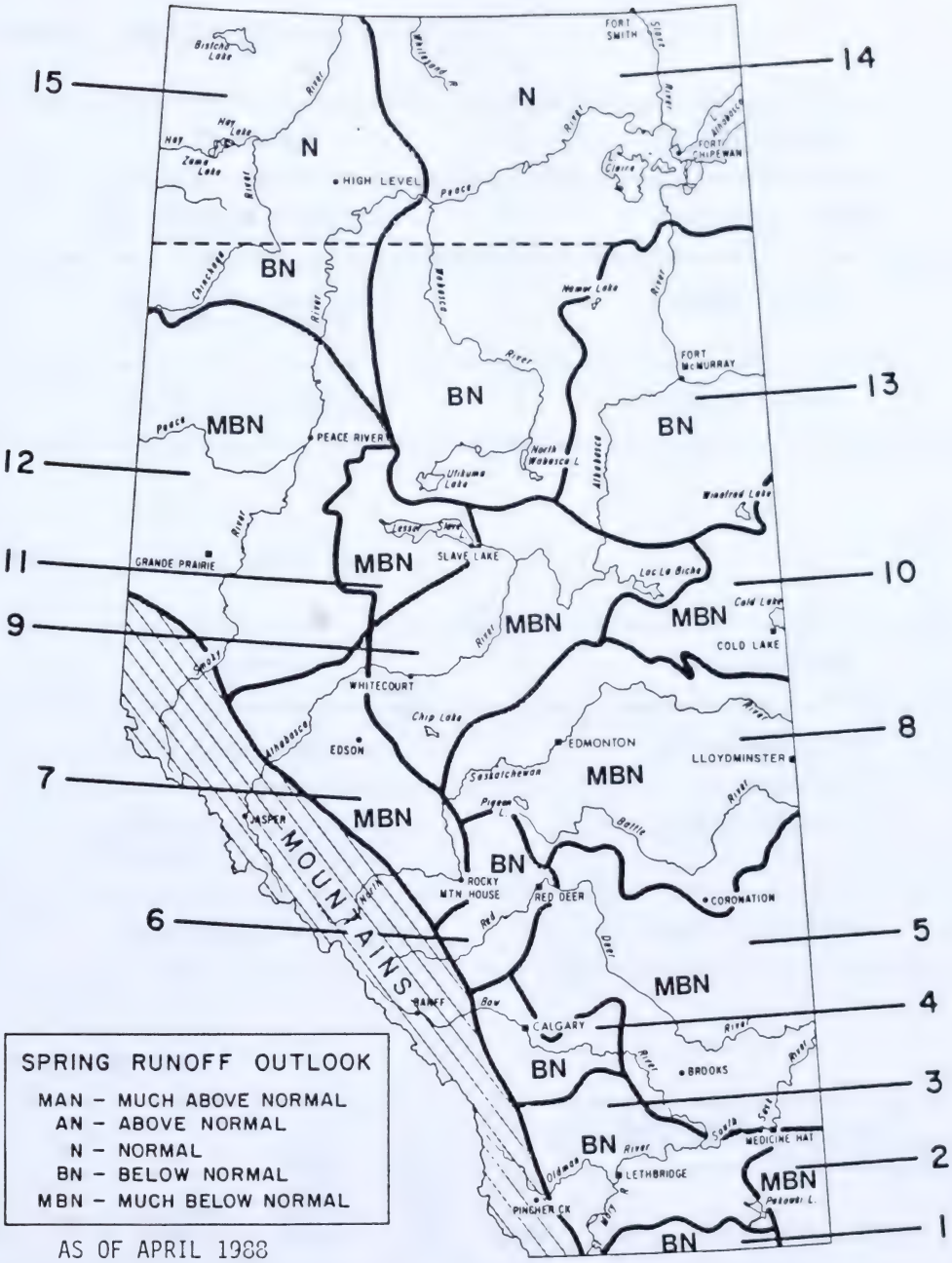
BROOKS
3
53
MEDICINE HAT
2
LETHBRIDGE
56
PINCHER CK
1
PRECIPITATION
NOV. 1, 1987 - MAR. 31, 1988
AS A PERCENT OF AVERAGE



Alberta
ENVIRONMENT



AS OF APRIL 1988

Alberta
ENVIRONMENT

ZONE 1 - MILK RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 2 - CYPRESS HILLS AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

				Water Equivalent (mm)					
						Prior to 1988			
Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	1988	1987	Max.	Min.	Avg.	Years of Data
Mitchell Creek Lower	10Z06	03-24	14	81	---	---	---	---	---
Mitchell Creek Upper	10Z07	03-24	31	101	---	---	---	---	---

ZONE 3 - LETHBRIDGE - MEDICINE HAT AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 4 - CALGARY AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Below Normal

ZONE 5 - CORONATION - BROOKS AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Innisfail (#2) East	13W05	03-29	9	26	23	122	0	22	12
Kneehill Valley	13W06	03-29	4	15	10	86	0	30	12

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ZONE 6 - RED DEER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bentley	14W03	03-28	9	15	0	150	0	39	13
Clive	13W08	03-28	34	59	17	---	---	---	1
Dickson	14W04	03-30	9	23	0	112	0	41	13
Hoadley	14W02	03-28	6	9	0	163	0	41	13
James River	15X10	03-30	36	86	34	122	26	74	13
Sundre	14X02	03-30	15	31	0	119	0	33	13

ZONE 7 - ROCKY MOUNTAIN HOUSE - EDSON AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Brazeau Reservoir	15W01	03-31	10	27	53	126	0	53	11
Crimson Lake	15W02	03-30	16	41	0	122	0	57	13
Edson II	16V05	03-28	17	39	78	168	0	65	13
Obed	17V02	03-28	0	0	39	196	0	67	13

ZONE 8 - EDMONTON - LLOYDMINSTER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bellis	12U01	03-30	11	24	102	152	29	84	11
Bigstone	13V05	03-28	22	29	62	---	---	---	1
Bruce Snow P.	12V02	03-28	18	28	68	94	10	64	11
Clandonald	10V01	03-29	18	31	71	168	0	51	13
Coronation II	11W02	03-29	9	26	40	165	0	33	13
Elk Island Park	12V01	03-28	27	36	118	180	0	77	11
Gadsby	12W01	03-29	27	61	18	135	0	17	15
Leduc	13V02	03-28	6	7	0	168	0	48	13
Lougheed	11W03	03-29	14	45	79	119	0	47	12
Mannville	11V01	03-29	8	19	61	109	0	37	12
Morinville	13V03	03-29	0	0	26	170	0	42	12
Onoway	14V02	03-31	0	0	17	196	0	38	12
Saint Paul	11V02	03-30	23	49	55	117	0	41	13
Two Hills	11V03	03-29	17	37	81	152	0	52	12
Wainwright	10W01	03-29	4	10	52	150	0	33	12
Waskatenau	12U03	03-30	0	0	48	147	0	56	12
Wetaskiwin	13W07	03-31	8	21	24	99	0	22	12

ZONE 9 - WHITECOURT - ATHABASCA AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Barrhead North	14U07	03-30	0	0	8	147	0	44	13
Barrhead West	14U08	03-30	0	0	35	145	0	42	13
Flatbush	14U09	03-30	0	0	72	175	0	67	12
Grassland	12U02	03-30	1	3	59	130	0	48	13
Lodgepole	15V04	03-31	0	0	73	165	0	76	15
Mayerthorpe S.P.	15V07	03-30	0	0	30	150	8	60	6
Meadowview	14U06	03-31	0	0	36	160	0	63	14
Perryvale	13U05	03-30	1	5	65	150	0	64	12
Saulteaux River	14T02	03-29	4	6	79	198	5	72	12
Twin Lakes	14U10	03-31	0	0	39	119	8	48	6
Westlock	13U03	03-29	0	0	26	160	0	38	13
Whitecourt	15U06	03-30	5	12	42	157	0	66	12

ZONE 10 - COLD LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bonnyville	10U02	03-30	20	40	72	155	0	59	13

ZONE 11 - LESSER SLAVE LAKE AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
High Prairie	16T01	03-30	0	0	50	185	0	63	12
Kinuso	15T01	03-30	10	24	83	163	0	78	12

ZONE 12 - GRANDE PRAIRIE - PEACE RIVER AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - March 31)	Below Normal
Spring Runoff Outlook	Much Below Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Bezanson	18T02	03-30	0	0	36	193	0	51	12
Eureka River	18S01	03-28	28	60	67	155	0	70	11
Fairview	18S02	03-28	0	0	55	112	0	58	11
Girouxville	17T01	03-29	0	0	46	124	0	43	12
Hythe	19T01	03-29	0	0	0	173	0	42	12
Little Smoky R.	17U06	03-30	0	0	64	164	0	66	11
N. Star Manning	17S02	03-28	0	0	16	107	0	38	10
Rycroft	18T03	03-28	0	0	0	155	0	41	11
Sexsmith	18T04	03-31	0	0	46	218	0	79	11
Spring Creek #1	17U02	03-30	18	55	75	216	0	100	20

ZONE 13 - FORT McMURRAY AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - March 31)	Normal
Spring Runoff Outlook	Below Normal

ZONE 14 - WABASCA - FORT CHIPEWYAN AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Drier than Normal
Winter Precipitation (November 1 - March 31)	Normal
Spring Runoff Outlook	Below Normal to Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Embarras Portage	11Q01	03-31	52	81	114	114	38	70	11
Fort Chipewyan	11Q02	03-28	56	86	145	145	41	88	14
Highrock Tower	11Q03	03-28	60	89	114	142	38	85	13
Jackfish Village	10Q01	03-29	54	84	155	155	23	82	13
Sweet Grass	12Q01	03-31	N/A	N/A	135	137	28	74	11

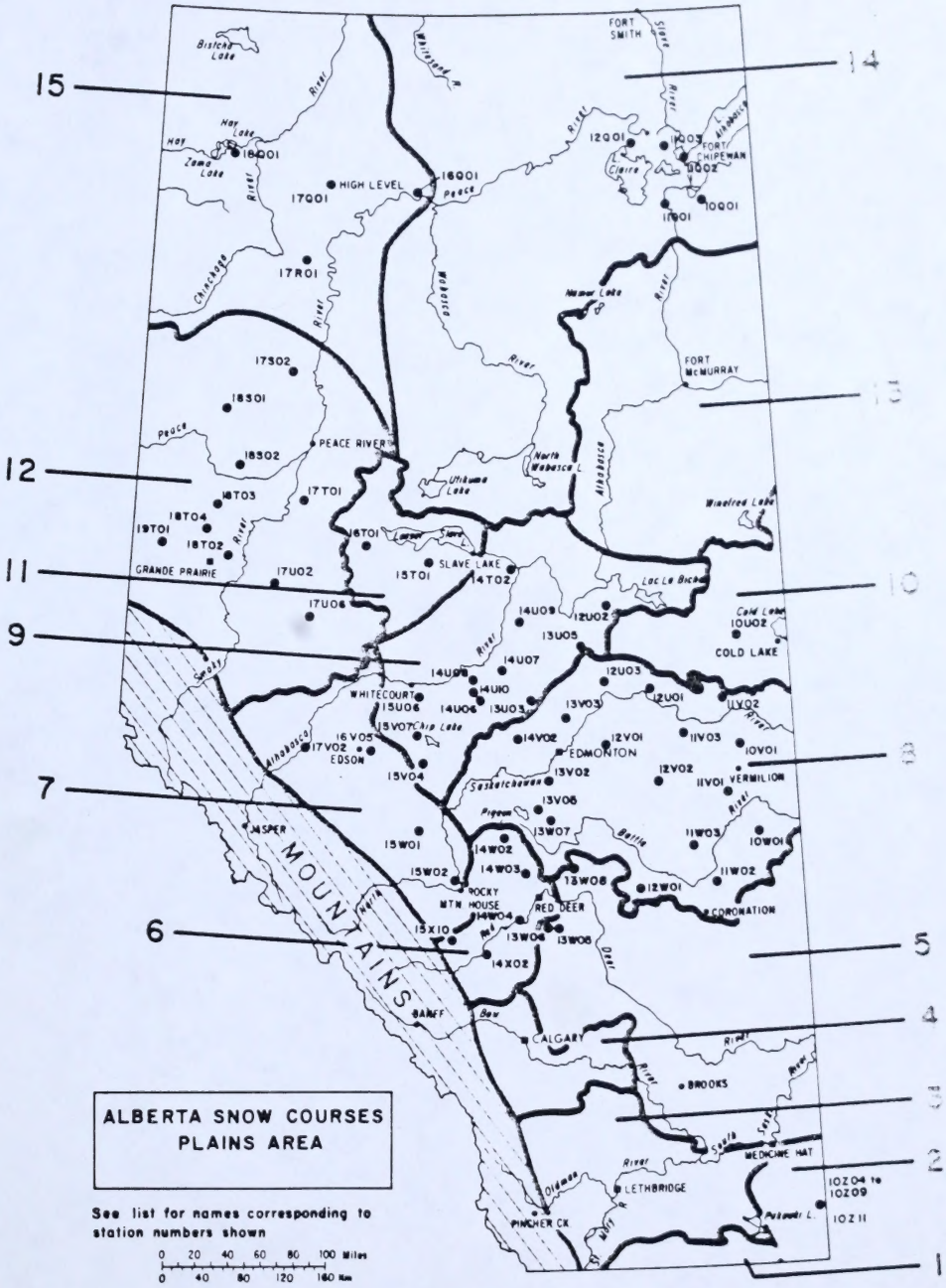
N/A - not available

ZONE 15 - ZAMA - HAY LAKES AREA

PARAMETER	CLASSIFICATION
Soil Moisture Conditions	Wetter than Normal
Winter Precipitation (November 1 - March 31)	Normal
Spring Runoff Outlook	Below Normal to Normal

SNOW SURVEY DATA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1988 (cm)	Water Equivalent (mm)					
						Prior to 1988			
				1988	1987	Max.	Min.	Avg.	Years of Data
Assumption	18Q01	03-29	31	64	124	124	86	105	2
Fort Vermilion	16Q01	03-31	43	72	116	157	0	92	20
High Level	17Q01	03-29	45	85	128	128	107	118	2
Keg River	17R01	03-28	9	22	88	88	39	64	2



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